



# STIC Search Report

EIC 2800

STIC Database Tracking Number: 2116999

To: Michael Cygan  
Location: Jefferson 8A51  
Date: March 2, 2007  
Art Unit: 2855  
  
Serial Number: 10/726,331

From: Diane Jackson  
Location: EIC 2800  
JEF: 4B68  
Phone: 571-272-2540  
  
[diane.jackson@uspto.gov](mailto:diane.jackson@uspto.gov)

## Search Notes

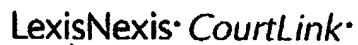
Attached are litigation search results in Lexis Nexis, and CourtLink and Questel-Orbit.

No Litigation was found for Serial Number 10/726,331.

If you have any questions, please feel free to contact me.

Thanks.

Diane



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## Patent Search 6525600 3/2/2007

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*EQS AAP NEWSFEED October 30, 2000, Monday*

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 AAP NEWSFEED

October 30, 2000, Monday

**SECTION:** Nationwide General News; Finance Wire

**LENGTH:** 691 words

**HEADLINE:** EQS

**BODY:**

- First Quarter Activities & Cashflow Repo 3/4 (P)

Comnews EQS Sydney 1618/3/4

EQS - ASX Company Announcement

\$mtl7 THIS IS A PRIORITY ITEM

30 October 2000

Part 3/4

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**EQUUS LIMITED**

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**HOMEX - Perth**

**First Quarter Activities & Cashflow Report**

K5 Prospect (E28/472) - A total of 32 aircore holes (ROE564 - ROE595) for 1,710 metres were drilled on a dilational jog in an ultramafic hosted target on a 640 x 160 metre grid. Drilling intersected Tertiary cover up to 60 metres thick and anomalous results in three holes. Further follow up drilling is planned.

HOLE NO	SECTION	FROM (M)	INTERSECTION (M)	COMMENTS
ROE587	6,525,860	44	2m 0.95 g/t Au	Sheared seds
ROE590	6,525,220	50	2m 0.13 g/t Au	Sediments
ROE591	6,525,220	30	2m 0.09 g/t Au	Ultramafic

King Prospect (E28/472) - A total of 24 aircore holes (ROE596 - ROE619) for 916 metres was drilled on a dilatant flexure hosted in dolerite within sedimentary units over a 200 x 80 metre grid. Assay results were very encouraging with 75% of the holes returning anomalous values. A high grade core (2 gram-metres) extends for approximately 500 metres. A six hole RC percussion program has been planned to test for bedrock anomalies. A second 30 hole aircore program has been designed to test the southern extension to the prospect.

HOLE NO	SECTION	FROM (M)	INTERSECTION (M)
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ROE597	6,526,400	38	2m 0.22 g/t Au
ROE599	6,526,400	30	6m 0.35 g/t Au
ROE600	6,526,400	28	4m 0.25 g/t Au
ROE601	6,526,200	32	2m 0.22 g/t Au
ROE602	6,526,200	28	2m 0.07 g/t Au
ROE603	6,526,200	26	2m 0.2 g/t Au
ROE604	6,526,200	36	2m 0.13 g/t Au
ROE605	6,526,200	30	6m 0.11 g/t Au

ROE606	6,526,000	22	4m 0.25 g/t Au
ROE608	6,526,000	24	11m 0.71 g/t Au
ROE609	6,525,800	16	2m 0.29 g/t Au
ROE610	6,525,800	16	2m 0.14 g/t Au
ROE611	6,525,800	40	6m 0.21 g/t Au
ROE612	6,525,800	32	4m 0.24 g/t Au
ROE615	<b>6,525,600</b>	28	2m 0.07 g/t Au
ROE616	<b>6,525,600</b>	28	2m 0.37 g/t Au
ROE619	6,526,400	42	4m 0.14 g/t Au

**BOOMERANG JOINT VENTURE**

Equus 30% contributing interest

Homestake and Norkal 70%

No field work was conducted on these leases in the September Quarter.

**GIDJI JOINT VENTURE**

Equus 38.34%

Ramsgate 10.66%

Centaur Mining and Exploration Ltd 51%

During the September quarter a TEMPEST EM survey was flown. The data is currently being assessed and several drill targets are expected to be generated. A deep seismic line was carried out across the project area by AGSO and results when available should assist in the interpretation of this mainly sediment covered area.

**PILBAILEY JOINT VENTURE**

Equus 16%

New Hampton Goldfields 84%

New Hampton completed the purchase of Central Kalgoorlie Gold Mines' interest in the joint venture during the quarter. Work has commenced on a detailed review of all existing exploration data.

No work occurred on the ground during the quarter.

**DORDIE ROCKS/EAST WIDGIEMOOLTHA JOINT VENTURE**

Equus 100%

No field work was conducted this quarter.

**LOGANS JOINT VENTURE**

Equus 30% contributing interest

Resolute Limited 70%

These leases form a small part of a Resolute - Western Mining joint venture covering Resolute resources interests in the Higginsville / Chalice area. No field work was conducted this quarter.

So far as it relates to ore and mineralisation this report is based on information compiled by Mr Graham Sweetman of Equus who is an employee of the Company and a member of the Australian Institute of Geoscientists who has had more than five years experience in the field of activity being reported on. This report accurately reflects the information compiled by that member.

K Buller

DIRECTOR

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**LOAD-DATE:** October 30, 2000Source: Combined Source Set 1  - News, All (English, Full Text)Terms: (6525600 or 6,525,600) ([Edit Search](#) | [Suggest Terms for My Search](#))

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Date/Time: Friday, March 2, 2007 - 1:37 PM EST

each of said frequency domain filter paths containing a switching unit for switching said first and said second diode in said frequency domain filter path;  
 a third diode having a first terminal connected to said first node and a fourth diode having a first terminal connected to said second node of said frequency domain filter paths for connecting a respective cathode of said third diode and of said fourth diode to anodes of said first diodes and said second diodes, respectively;  
 a load-dependent DC voltage source having a first connection and a second connection; and said third diode and said fourth diode each having a second terminal respectively connected to said first connection and said second connection of said load-dependent DC voltage source.

1. A circuit configuration, comprising:

an AC voltage input terminal and an AC voltage output terminal;  
 a plurality of frequency domain filter paths defined between said AC voltage input terminal and said AC voltage output terminal, and connected in parallel between a common first node and a common second node both coupled to a DC voltage connection;

each of said frequency domain filter paths containing at least one bandpass filter connected in series with a first diode and a second diode connected in opposite forward direction from said first diode;

said at least one bandpass filter including:

- a bandpass filter input and a bandpass filter output;
- a series circuit connected between said bandpass filter input and said bandpass filter output, said series circuit being formed of a first capacitor, a first parallel LC element connected to said first capacitor, a second capacitor connected to said first parallel LC element, and an inductor connected to said second capacitor;
- a second parallel LC element having a first connection connected to a node between said first parallel LC element and said second capacitor and a second connection coupled to a fixed reference-ground potential via a third capacitor; and
- a third parallel LC element having a first connection connected to a node between said second capacitor and said inductor and a second connection coupled to the fixed reference-ground potential;

each of said frequency domain filter paths containing a switching unit for switching said first and said second diode in said frequency domain filter path;

a third diode having a first terminal connected to said first node and a fourth diode having a first terminal connected to said second node of said frequency domain filter paths, such that a respective cathode of said third diode and of said fourth diode is connected to anodes of said first diodes and said second diodes, respectively;

a load-dependent DC voltage source having a first connection and a second connection; and said third diode and said fourth diode each having a second terminal respectively connected to said first connection and said second connection of said load-dependent DC voltage source.

UP

- 2001-45

1/4 LGST - ©EPO

PN -  US6525600 B1 20030225 [US6525600]

AP - US47713100 20000103 [2000US-0477131]

ACT - 20030113 US/AS-A

## ASSIGNMENT

OWNER: INFINEON TECHNOLOGIES AG RIDLERSTRASSE 55 PATENTAB

ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:MUSIOL, LOTHAR;KUHN, RALPH;REEL/FRAME:013649/0530;SIGNING DATES FROM 20000126 TO 20000209

20040210 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 20031202

Query/Command : prt ful legalall max

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*I / I FAMPAT - ©QUESTEL-ORBIT - image***FAN** - 20042790446572**PN** -  WO9901930 A2 19990114 [WO9901930]

STG: Publ. Of int. Appl. W/out int. Search rep

AP : 1998WO-DE01846 19980703

WO9901930 A3 19990325 [WO9901930]

STG: Subsqu. Publ. Of int. Search report

 EP0992110 A2 20000412 [EP-992110]

STG: Pub. Of applic. Without search report

AP : 1998EP-0941264 19980703

EP0992110 B1 200111004 [EP-992110]

STG: Patent

DE59801654 D1 20011108 [DE59801654]

STG: Granted EP number in bulletin

AP : 1998DE-5001654 19980703

JP2002508128 T 20020312 [JP2002508128]

STG: Unexam. Pat. Appl. On foreign appl.

AP : 1999JP-0506118 19980703

 US6525600 B1 20030225 [US6525600]

STG: U.S. Patent (no pre-grant pub.) after Jan. 2, 2001

AP : 2000US-0477131 20000103

**TI** - BAND-PASS FILTER**PA** - INFINEON TECHNOLOGIES AG

KUHN RALPH

MUSIOL LOTHAR

SIEMENS AG

**PA0** - Infineon Technologies AG, Munich [DE]**IN** - MUSIOL LOTHAR; KUHN RALPH**PR** - 1997DE-1028464 19970703; 1998DE-5001654 19980703; 1998WO-DE01846 19980703**IC** - H03H-007/01

H03H-007/075

H03H-007/12

H03J-005/00

H03J-005/24

H03K-005/00

**ICAA** - H03H-007/01 [2006-01 A - I R M EP]; H03J-005/24 [2006-01 A - I R M EP]**ICCA** - H03H-007/01 [2006 C - I R M EP]; H03J-005/00 [2006 C - I R M EP]**EC** - H03H-007/01B

H03J-005/24A2

**PCL** - ORIGINAL (O) : 327553000; CROSS-REFERENCE (X) : 327552000 327557000  
333174000**DS** - (EP-992110)

DE FR GB

**DS** - (WO9901930)

JP KR US European Patent (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE)

**CT** - (EP-992110)

Cited in the search report

UP - 2004-52

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2/4 LGST - ©EPO

PN -  WO9901930 A2 19990114 [WO9901930]

WO9901930 A3 19990325 [WO9901930]

AP - WODE9801846 19980703 [1998WO-DE01846]

ACT - 19990114 WO/AK [+]

DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED SEARCH REPORT

JP KR US

19990114 WO/AL [+]

DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A SUBSEQUENTLY PUBLISHED SEARCH REPORT

AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

19990325 WO/AK [+]

DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED SEARCH REPORT

JP KR US

19990325 WO/AL [+]

DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A SUBSEQUENTLY PUBLISHED SEARCH REPORT

AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

19990401 WO/DFPE

REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE

19990506 WO/121

EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION

20000103 WO/ENP

ENTRY INTO THE NATIONAL PHASE IN:

US 2000 477131A 20000103 [2000US-0477131]

20000103 WO/ENP

ENTRY INTO THE NATIONAL PHASE IN:

KR 2000 2000700014A [2000KR-0700014]

UP - 2003-22

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3/4 LGST - ©EPO

PN - DE59801654 D1 20011108 [DE59801654]

AP - DE59801654 19980703 [1998DE-5001654]

ACT - 20021031 DE/8364-A [+]

NO OPPOSITION DURING TERM OF OPPOSITION

EINSPRUCHSFRIST ABGELAUFEN OHNE DASS EINSPRUCH ERHOBEN WURDE

UP - 2003-22

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4/4 LGST - ©EPO

PN - EP0992110 A2 20000412 [EP-992110]  
 EP0992110 B1 20011004 [EP-992110]

AP - EP98941264 19980703 [1998EP-0941264]

ACT - 20000412 EP/AK-A [+]

DESIGNATED CONTRACTING STATES:

BENANNTE VERTRAGSSTAATEN

DE FR GB

20000412 EP/17P-A [+]

REQUEST FOR EXAMINATION FILED

PRUEFUNGSANTRAG GESTELLT

EFFECTIVE DATE: 19991217

20010307 EP/17Q-A [+]

FIRST EXAMINATION REPORT

ERSTER PRUEFUNGSBESCHEID

EFFECTIVE DATE: 20010118

20011004 EP/AK-A [+]

DESIGNATED CONTRACTING STATES:

BENANNTE VERTRAGSSTAATEN

DE FR GB

20011108 EP/REF-A

CORRESPONDS TO:

ENTSPRICHT

(DE 59801654 20011108 [DE59801654])

20020101 EP/REG-A; GB/IF02 [+]

GB: EUROPEAN PATENT IN FORCE AS OF 2002-01-01

<GB>

20020109 EP/GBT-A [+]

GB: TRANSLATION OF EP PATENT FILED (GB SECTION 77(6)(A)/1977)

GB: TRANSLATION OF EP PATENT FILED (GB SECT. 77(6)(A)/1977)

EFFECTIVE DATE: 20011218

20020308 EP/ET-A [+]

FR: TRANSLATION FILED

FR: TRADUCTION A ETE REMISE

20020925 EP/26N-A [+]

NO OPPOSITION FILED

KEIN EINSPRUCH EINGELEGT

20050223 EP/GBPC-A

GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE

GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE

EFFECTIVE DATE: 20040703

20050429 EP/REG-A; FR/ST [-]

**FR: LAPSED**

&lt;FR&gt;

**UP** - 2005-21

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*I / I CRXX - ©CLAIMS/RRX***AN** - 3835510**PN** -  6,525,600 A 20030225 [US6525600]**PA** - Infineon Technologies AG DE**PT** - E (Electrical)**ACT** - 20031202 REISSUE REQUESTED

ISSUE DATE OF O.G.: 20040210

REISSUE REQUEST NUMBER: 10/726331

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2816

Reissue Patent Number:

**UP** - 2004-07**UACT** - 2004-02-10

Search statement 2

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 Extended Family Search Results

## US6525600/PN Results : 5

## PATENT FAMILY

#	Patent No.	Kind	Date	Applic.No.	Date
1)	DE59801654	D1	20011108	1998DE-5001654	19980703
2)	EP-992110	A2	20000412	1998EP-0941264	19980703
	EP-992110	B1	20011004		
3)	JP2002508128	T	20020312	1999JP-0506118	19980703
4)	US6525600	B1	20030225	2000US-0477131	20000103
5)	WO9901930	A2	19990114	1998WO-DE01846	19980703
	WO9901930	A3	19990325		

## Priority :

1997DE-1028464 19970703  
 1998DE-5001654 19980703  
 1998WO-DE01846 19980703



## I / 5 PLUSPAT - ©QUESTEL-ORBIT

**PN** - DE59801654 D1 20011108 [DE59801654]  
**STG** - (D1) Granted EP number in bulletin  
**OTI** - (D1) BANDPASSFILTER  
**PA** - (D1) INFINEON TECHNOLOGIES AG (DE)  
**IN** - (D1) MUSIOL LOTHAR (DE); KUHN RALPH (DE)  
**IC** - (D1) H03H-007/01 H03J-005/24  
**AP** - DE59801654 19980703 [1998DE-5001654]  
**PR** - DE59801654 19980703 [1998DE-5001654]  
           DE19728464 19970703 [1997DE-1028464]  
           WODE9801846 19980703 [1998WO-DE01846]  
**ICAA** - H03H-007/01 [2006-01 A - I R M EP]; H03J-005/24 [2006-01 A - I R M EP]  
**ICCA** - H03H-007/01 [2006 C - I R M EP]; H03J-005/00 [2006 C - I R M EP]  
**UP** - 2001-45

## I / 1 LEGALI - ©EPO

**PN** - DE59801654 D1 20011108 [DE59801654]  
**AP** - DE59801654 19980703 [1998DE-5001654]  
**ACT** - 20021031 DE/8364-A [+]  
           NO OPPOSITION DURING TERM OF OPPOSITION  
           EINSPRUCHSFRIST ABGELAUFEN OHNE DASS EINSPRUCH ERHOBEN WURDE  
**UP** - 2003-22



## 2 / 5 PLUSPAT - ©QUESTEL-ORBIT

**PN** - EP0992110 A2 20000412 [EP-992110]  
**STG** - (A2) Pub. Of applic. Without search report  
**TI** - (A2) BAND-PASS FILTER  
**OTI** - (A2) BANDPASSFILTER  
(A2) FILTRE PASSE-BANDE  
**PA** - (A2) INFINEON TECHNOLOGIES AG (DE)  
**IN** - (A2) MUSIOL LOTHAR (DE); KUHN RALPH (DE)  
**IC** - (A2) H03H-007/01 H03J-005/24  
**PN2** - EP0992110 B1 20011004 [EP-992110]  
**STG2** - (B1) Patent  
**TI2** - (B1) BAND-PASS FILTER  
**OTI2** - (B1) BANDPASSFILTER  
(B1) FILTRE PASSE-BANDE  
**PA2** - (B1) INFINEON TECHNOLOGIES AG (DE)  
**IN2** - (B1) MUSIOL LOTHAR (DE); KUHN RALPH (DE)  
**IC2** - (B1) H03H-007/01 H03J-005/24  
**LA** - GERMAN (GER)  
**AP** - EP98941264 19980703 [1998EP-0941264]  
**PR** - WODE9801846 19980703 [1998WO-DE01846]  
DE19728464 19970703 [1997DE-1028464]  
**ICAA** - H03H-007/01 [2006-01 A - I R M EP]; H03J-005/24 [2006-01 A - I R M EP]  
**ICCA** - H03H-007/01 [2006 C - I R M EP]; H03J-005/00 [2006 C - I R M EP]  
**DS** - DE FR GB  
**UP** - 2000-13

*I / I LEGALI - ©EPO*

**PN** - EP0992110 A2 20000412 [EP-992110]EP0992110 B1 20011004 [EP-992110]  
**AP** - EP98941264 19980703 [1998EP-0941264]  
**ACT** - 20000412 EP/AK-A [+]  
DESIGNATED CONTRACTING STATES:  
BENANNTEN VERTRAGSSTAATEN  
DE FR GB  
  
20000412 EP/17P-A [+]  
REQUEST FOR EXAMINATION FILED  
PRUEFUNGSANTRAG GESTELLT  
EFFECTIVE DATE: 19991217  
  
20010307 EP/17Q-A [+]  
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DE FR GB

ENTRY INTO THE NATIONAL PHASE IN:  
KR 2000 2000700014A [2000KR-0700014]

UP 2003-22

Search statement 2

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## United States Code Service - Titles 1 through 50



Terms and Connectors  Natural Language

6525600 or 6,525,600



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- +  TITLE 3. THE PRESIDENT
- +  TITLE 4. FLAG AND SEAL, SEAT OF GOVERNMENT, AND THE STATES
- +  TITLE 5. GOVERNMENT ORGANIZATION AND EMPLOYEES
- +  TITLE 6. DOMESTIC SECURITY
- +  TITLE 7. AGRICULTURE
- +  TITLE 8. ALIENS AND NATIONALITY
- +  TITLE 9. ARBITRATION
- +  TITLE 10. ARMED FORCES
- +  TITLE 11. BANKRUPTCY
- +  TITLE 12. BANKS AND BANKING
- +  TITLE 13. CENSUS
- +  TITLE 14. COAST GUARD
- +  TITLE 15. COMMERCE AND TRADE
- +  TITLE 16. CONSERVATION
- +  TITLE 17. COPYRIGHTS
- +  TITLE 18. CRIMES AND CRIMINAL PROCEDURE
- +  TITLE 19. CUSTOMS DUTIES
- +  TITLE 20. EDUCATION
- +  TITLE 21. FOOD AND DRUGS
- +  TITLE 22. FOREIGN RELATIONS AND INTERCOURSE
- +  TITLE 23. HIGHWAYS
- +  TITLE 24. HOSPITALS AND ASYLUMS
- +  TITLE 25. INDIANS
- +  TITLE 26. INTERNAL REVENUE CODE
- +  TITLE 27. INTOXICATING LIQUORS
- +  TITLE 28. JUDICIARY AND JUDICIAL PROCEDURE
- +  TITLE 29. LABOR
- +  TITLE 30. MINERAL LANDS AND MINING
- +  TITLE 31. MONEY AND FINANCE
- +  TITLE 32. NATIONAL GUARD
- +  TITLE 33. NAVIGATION AND NAVIGABLE WATERS
- +  TITLE 34. [NAVY]
- +  TITLE 35. PATENTS
- +  TITLE 36. PATRIOTIC AND NATIONAL OBSERVANCES, CEREMONIES, AND ORGANIZATIONS
- +  TITLE 37. PAY AND ALLOWANCES OF THE UNIFORMED SERVICES
- +  TITLE 38. VETERANS' BENEFITS
- +  TITLE 39. POSTAL SERVICE
- +  TITLE 40. PUBLIC BUILDINGS, PROPERTY, AND WORKS
- +  TITLE 41. PUBLIC CONTRACTS
- +  TITLE 42. THE PUBLIC HEALTH AND WELFARE
- +  TITLE 43. PUBLIC LANDS
- +  TITLE 44. PUBLIC PRINTING AND DOCUMENTS
- +  TITLE 45. RAILROADS
- +  TITLE 46. SHIPPING
- +  TITLE 47. TELEGRAPHS, TELEPHONES, AND RADIOTELEGRAPHHS

- +  TITLE 48. TERRITORIES AND INSULAR POSSESSIONS
- +  TITLE 49. TRANSPORTATION
- +  TITLE 50. WAR AND NATIONAL DEFENSE

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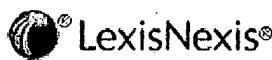
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(6525600 or 6,525,600)

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w/seg	in same segment
w/s	in same sentence
and not	and not

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Source: Combined Source Set 10  - Utility, Design and Plant Patents  
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477131 (09) 6525600 February 25, 2003

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6525600

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February 25, 2003

Bandpass filter

**INVENTOR:** Musiol, Lothar - Munchen, Germany (DE); Kuhn, Ralph - Baldham, Germany (DE)

**APPL-NO:** 477131 (09)

**FILED-DATE:** January 3, 2000

**GRANTED-DATE:** February 25, 2003

**PRIORITY:** July 3, 1997 - 19728464, Germany (DE)

**ASSIGNEE-PRE-ISSUE:** January 13, 2003 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., INFINEON TECHNOLOGIES AG RIDLERSTRASSE 55 PATENTABTEILUNG MUENCHEN, (1) 80339, Reel and Frame Number: 013649/0530

**ASSIGNEE-AT-ISSUE:** Infineon Technologies AG, Munich, Germany (DE), Foreign company or corporation (03)

**LEGAL-REP:** Greenberg, Laurence A.; Stemmer, Werner H.; Locher, Ralph E.

**PUB-TYPE:** February 25, 2003 - Utility Patent having no previously published pre-grant publication (B1)

**PUB-COUNTRY:** United States (US)

**REL-DATA:**

Continuation of Ser. No. PCT/DE98/01846, July 3, 1998, PENDING

**US-MAIN-CL:** 327#553

**US-ADDL-CL:** 327#552, 327#557, 333#174

**CL:** 327, 333

**SEARCH-FLD:** 327#553, 327#335, 327#552, 327#558, 327#557, 330#107, 330#109, 330#305, 333#172, 333#173, 333#174

**IPC-MAIN-CL:** [7] H03K 005#00

- See references of WO 9901930A2
- CT** - (US6525600)  
US4207590; US4215325; US5483209; US5528204; US5625894; US5697087; DE2825812;  
FR952403
- CT** - (WO9901930)  
Cited in the search report  
FR952403(A)(Cat. A);US5483209(A)(Cat. A)  
"SWITCHABLE BANDSELECTOR" ELEKTOR ELECTRONICS., Bd. 13, Nr. 147, Juli  
1987, Seite 64 XP002087971 CANTERBURY GB(Cat. A)
- AB** - (US6525600)  
The bandpass filter has a comparatively large pass bandwidth, with, at the same time, comparatively steep edges up to the stop band and low attenuation in the passband. The bandpass filter contains three parallel LC elements, one of which is connected between the bandpass filter input and the bandpass filter output. The other two parallel LC elements each have one of their connections coupled to a fixed reference-ground potential.
- OBJ** - (US6525600)  
More specifically, the invention relates to a bandpass filter, particularly for use in circuits using RF technology.  
It is accordingly an object of the invention to provide a bandpass filter, which overcomes the above-mentioned disadvantages of the heretofore-known devices and methods of this general type and which satisfies the aforementioned requirements.  
With the foregoing and other objects in view there is provided, in accordance with the invention, a bandpass filter, comprising:  
a bandpass filter input and a bandpass filter output;  
a series circuit connected between the bandpass filter input and the bandpass filter output, the series circuit being formed of a first capacitor, a first parallel LC element connected to the first capacitor, a second capacitor connected to the first parallel LC element, and an inductor connected to the second capacitor;  
With the above and other objects in view there is also provided, in accordance with the invention, a circuit configuration, comprising:  
an AC voltage input terminal and an AC voltage output terminal;  
a plurality of frequency domain filter paths defined between the AC voltage input terminal and the AC voltage output terminal, and connected in parallel between a common first node and a common second node both coupled to a DC voltage connection;  
each of the frequency domain filter paths containing at least one of the above-outlined bandpass filters connected in series with a first diode and a second diode connected in opposite forward direction from the first diode;  
each of the frequency domain filter paths containing a switching unit for switching the first and the second diode in the frequency domain filter path during an operation of the circuit configuration for turning a respective one of the bandpass filters;  
a third diode having a first terminal connected to the first node and a fourth diode having a first terminal connected to the second node of the frequency domain filter paths, such that a respective cathode of the third diode and of the fourth diode is connected to anodes of the first diodes and the second diodes, respectively;
- ICLM** - (US6525600)  
7. A circuit configuration, comprising:  
an AC voltage input terminal and an AC voltage output terminal;  
a plurality of frequency domain filter paths defined between said AC voltage input terminal and said AC voltage output terminal, and connected in parallel between a common first node and a common second node both coupled to a DC voltage connection;  
each of said frequency domain filter paths containing at least one bandpass filter connected in series with a first diode and  
a second diode connected in opposite forward direction from said first diode;

20011108 EP/REF-A  
CORRESPONDS TO:  
ENTSPRICHT  
(DE 59801654 20011108 [DE59801654])

20020101 EP/REG-A; GB/IF02 [+]  
GB: EUROPEAN PATENT IN FORCE AS OF 2002-01-01  
<GB>

20020109 EP/GBT-A [+]  
GB: TRANSLATION OF EP PATENT FILED (GB SECTION 77(6)(A)/1977)  
GB: TRANSLATION OF EP PATENT FILED (GB SECT. 77(6)(A)/1977)  
EFFECTIVE DATE: 20011218

20020308 EP/ET-A [+]  
FR: TRANSLATION FILED  
FR: TRADUCTION A ETE REMISE

20020925 EP/26N-A [+]  
NO OPPOSITION FILED  
KEIN EINSPRUCH EINGELEGT

20050223 EP/GBPC-A  
GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE  
GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE  
EFFECTIVE DATE: 20040703

20050429 EP/REG-A; FR/ST [-]  
FR: LAPSED  
<FR>

UP - 2005-21



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3 / 5 PLUSPAT - ©QUESTEL-ORBIT

PN - JP2002508128 T 20020312 [JP2002508128]  
STG - (T) Unexam. Pat. Appl. On foreign appl.  
IC - (T) H03H-007/075 H03H-007/12 H03J-005/24  
AP - JP50611899T 19980703 [1999JP-0506118]  
PR - DE19728464 19970703 [1997DE-102846]  
WODE9801846 19980703 [1998WO-DE01846]  
ICAA - H03H-007/01 [2006-01 A - I R M EP]; H03J-005/24 [2006-01 A - I R M EP]  
ICCA - H03H-007/01 [2006 C - I R M EP]; H03J-005/00 [2006 C - I R M EP].  
UP - 2002-16



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4 / 5 PLUSPAT - ©QUESTEL-ORBIT - image

PN - US6525600 B1 20030225 [US6525600]  
STG - (B1) U.S. Patent (no pre-grant pub.) after Jan. 2, 2001  
TI - (B1) Bandpass filter  
PA - (B1) INFINEON TECHNOLOGIES AG (DE)  
PA0 - Infineon Technologies AG, Munich [DE]

**IN** - (B1) MUSIOL LOTHAR (DE); KUHN RALPH (DE)  
**IC** - (B1) H03K-005/00  
**AP** - US47713100 20000103 [2000US-0477131]  
**PR** - DE19728464 19970703 [1997DE-102846]  
 WODE9801846 19980703 [1998WO-DE01846]  
**ICAA** - H03H-007/01 [2006-01 A - I R M EP]; H03J-005/24 [2006-01 A - I R M EP]  
**ICCA** - H03H-007/01 [2006 C - I R M EP]; H03J-005/00 [2006 C - I R M EP]  
**EC** - H03H-007/01B  
 H03J-005/24A2  
**PCL** - ORIGINAL (O) : 327553000; CROSS-REFERENCE (X) : 327552000 327557000  
 333174000  
**DT** - Corresponding document  
**UP** - 2003-10

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**PN** - US6525600 B1 20030225 [US6525600]  
**AP** - US47713100 20000103 [2000US-0477131]  
**ACT** - 20030113 US/AS-A  
 ASSIGNMENT  
 OWNER: INFINEON TECHNOLOGIES AG RIDLERSTRASSE 55 PATENTAB  
 ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:MUSIOL, LOTHAR;KUHN,  
 RALPH;REEL/FRAME:013649/0530;SIGNING DATES FROM 20000126 TO 20000209  
  
 20040210 US/RF-A  
 REISSUE APPLICATION FILED  
 EFFECTIVE DATE: 20031202  
**UP** - 2004-52

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*5/5 PLUSPAT - ©QUESTEL-ORBIT - image*

**PN** - WO9901930 A2 19990114 [WO9901930]  
**STG** - (A2) Publ. Of int. Appl. W/out int. Search rep  
**TI** - (A2) BAND-PASS FILTER  
**OTI** - (A2) BANDPASSFILTER  
 (A2) FILTRE PASSE-BANDE  
**PA** - (A2) MUSIOL LOTHAR (DE); KUHN RALPH (DE); SIEMENS AG (DE)  
**PA0** - SIEMENS AKTIENGESELLSCHAFT ; Wittelsbacherplatz 2 D-80333 München (DE)  
 (except US)  
 MUSIOL, Lothar ; Strehleranger 11 D-81735 München (DE) (only US)  
 KUHN, Ralph ; Wieselweg 9 D-85591 Vaterstetten (DE) (only US)  
**IN** - (A2) MUSIOL LOTHAR (DE); KUHN RALPH (DE)  
**IC** - (A2) H03H-007/01 H03J-005/24  
**PN2** - WO9901930 A3 19990325 [WO9901930]  
**STG2** - (A3) Subsqu. Publ. Of int. Search report  
**TI2** - (A3) BAND-PASS FILTER  
**OTI2** - (A3) BANDPASSFILTER  
 (A3) FILTRE PASSE-BANDE

**PA2** - (A3) MUSIOL LOTHAR (DE); KUHN RALPH (DE); SIEMENS AG (DE)  
**IN2** - (A3) MUSIOL LOTHAR (DE); KUHN RALPH (DE)  
**IC2** - (A3) H03H-007/01 H03J-005/24  
**LA** - GERMAN (GER)  
**AP** - WODE9801846 19980703 [1998WO-DE01846]  
**PR** - DE19728464 19970703 [1997DE-1028464]  
**ICAA** - H03H-007/01 [2006-01 A - I R M EP]; H03J-005/24 [2006-01 A - I R M EP]  
**ICCA** - H03H-007/01 [2006 C - I R M EP]; H03J-005/00 [2006 C - I R M EP]  
**EC** - H03H-007/01B  
H03J-005/24A2  
**DS** - JP; KR; US; European Patent (AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU;  
MC; NL; PT; SE)  
**DT** - Basic

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**PN** - WO9901930 A2 19990114 [WO9901930] WO9901930 A3 19990325 [WO9901930]

**AP** - WODE9801846 19980703 [1998WO-DE01846]

**ACT** - 19990114 WO/AK [+]  
DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED SEARCH  
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JP KR US

19990114 WO/AL [+]  
DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A  
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AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

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19990401 WO/DFPE  
REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF  
19TH MONTH FROM PRIORITY DATE

19990506 WO/121  
EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN  
THIS APPLICATION

20000103 WO/ENP  
ENTRY INTO THE NATIONAL PHASE IN:  
US 2000 477131A 20000103 [2000US-0477131]

20000103 WO/ENP

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